

# Jingzheng Ren

## List of Publications by Year in descending order

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Version: 2024-02-01

220  
papers

8,773  
citations

29994

54  
h-index

62479

80  
g-index

231  
all docs

231  
docs citations

231  
times ranked

6819  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy-efficient recovery of tetrahydrofuran and ethyl acetate by triple-column extractive distillation: entrainer design and process optimization. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 303-315.	2.3	42
2	A systematic modeling methodology of deep neural network-based structure-property relationship for rapid and reliable prediction on flashpoints. <i>AIChE Journal</i> , 2022, 68, e17402.	1.8	22
3	Improved design of heat-pump extractive distillation based on the process optimization and multi-criteria sustainability analysis. <i>Computers and Chemical Engineering</i> , 2022, 156, 107552.	2.0	25
4	Deciphering the optimal exergy field in closed-wet cooling towers using Bi-level reduced-order models. <i>Energy</i> , 2022, 238, 121766.	4.5	4
5	Insights into ensemble learning-based data-driven model for safety-related property of chemical substances. <i>Chemical Engineering Science</i> , 2022, 248, 117219.	1.9	17
6	Thematic analysis of sustainable ultra-precision machining by using text mining and unsupervised learning method. <i>Journal of Manufacturing Systems</i> , 2022, 62, 218-233.	7.6	19
7	An integrated computational strategy for the geometric design and prioritization of wave-plate mist eliminators. <i>Chemical Engineering Research and Design</i> , 2022, 158, 674-686.	2.7	6
8	Sustainable design and multi-objective optimization of eco-efficient extractive distillation with single and double entrainer(s) for separating the ternary azeotropic mixture tetrahydrofuran/ethanol/methanol. <i>Separation and Purification Technology</i> , 2022, 285, 120413.	3.9	49
9	Towards sustainable separation of the ternary azeotropic mixture based on the intensified reactive-extractive distillation configurations and multi-objective particle swarm optimization. <i>Journal of Cleaner Production</i> , 2022, 332, 130116.	4.6	77
10	Industrial artificial intelligence based energy management system: Integrated framework for electricity load forecasting and fault prediction. <i>Energy</i> , 2022, 244, 123195.	4.5	21
11	An accurate and interpretable deep learning model for environmental properties prediction using hybrid molecular representations. <i>AIChE Journal</i> , 2022, 68, .	1.8	16
12	Spatial-temporal energy poverty analysis of China from subnational perspective. <i>Journal of Cleaner Production</i> , 2022, 341, 130907.	4.6	12
13	Thermodynamic and exergoeconomic analyses of a vehicular fuel cell power system with waste heat recovery for cabin heating and reactants preheating. <i>Energy</i> , 2022, 247, 123465.	4.5	10
14	Stochastic bi-objective optimization for closed wet cooling tower systems based on a simplified analytical model. <i>Energy</i> , 2022, 250, 123703.	4.5	5
15	Urban sludge to value-added products for promoting the development of circular economy: Supply network design and optimization. <i>Resources, Conservation and Recycling</i> , 2022, 182, 106317.	5.3	5
16	An innovative sustainability-oriented multi-criteria decision making framework for prioritization of industrial systems with interdependent factors: Method and a case study of electricity generation. <i>Environmental Impact Assessment Review</i> , 2022, 95, 106776.	4.4	7
17	Developing a sustainability-oriented multi-criteria game theoretical decision analysis framework: A case study of sludge management. <i>Journal of Cleaner Production</i> , 2022, 354, 131807.	4.6	6
18	Developing a novel gasification-based sludge-to-methanol utilization process and exergy-economic-environmental (3E) analysis. <i>Energy Conversion and Management</i> , 2022, 260, 115600.	4.4	26

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19	Comprehensive Assessment of a Coupled LiBr/H <sub>2</sub> O Absorption Refrigeration/ORC System for Low-Grade Residual Heat Recovery Based on Advanced Exergy and Exergoeconomic Analysis. ACS Sustainable Chemistry and Engineering, 2022, 10, 5825-5837.	3.2	5
20	Sustainable recycling of poultry litter to value-added products in developing countries of South Asia. Journal of Cleaner Production, 2022, 357, 132029.	4.6	17
21	A data-driven approach for the optimization of future two-level hydrogen supply network design with stochastic demand under carbon regulations. Journal of Cleaner Production, 2022, 365, 132734.	4.6	4
22	Deep Learning Method for Photovoltaic Power Prediction. , 2022, , 1-18.		0
23	Developing a life cycle composite footprint index for sustainability prioritization of sludge-to-energy alternatives. Journal of Cleaner Production, 2021, 281, 124885.	4.6	15
24	Organic Rankine cycle driven by geothermal heat source: life cycle techno-economicâ€“environmental analysis. , 2021, , 67-124.		1
25	Interval reference point technique for sustainable industrial process election under uncertainties. Sustainable Production and Consumption, 2021, 27, 354-371.	5.7	6
26	Methods in sustainability science. , 2021, , 1-12.		1
27	Chinaâ€™s Energy Supply: Status Quo, Policies, and Pathways. , 2021, , 1-36.		0
28	A multi-task deep learning neural network for predicting flammability-related properties from molecular structures. Green Chemistry, 2021, 23, 4451-4465.	4.6	9
29	Coupling LCSA and Multi-criteria Decision Analysis for Energy System Prioritization. Green Energy and Technology, 2021, , 129-160.	0.4	1
30	Overview of Multi-criteria Decision Analysis and Its Applications on Energy Systems. Green Energy and Technology, 2021, , 1-26.	0.4	0
31	Multi-criteria Decision Analysis Methods for Sustainability Assessment and Improvement of Energy Systems Under Uncertainties. Green Energy and Technology, 2021, , 161-193.	0.4	1
32	Energy system optimization model for tissue papermaking process. Computers and Chemical Engineering, 2021, 146, 107220.	2.0	8
33	Integrated graphical approach for selecting industrial water conservation projects. Journal of Cleaner Production, 2021, 287, 125503.	4.6	9
34	Multi-criteria sustainability assessment and decision-making framework for hydrogen pathways prioritization: An extended ELECTRE method under hybrid information. International Journal of Hydrogen Energy, 2021, 46, 13430-13445.	3.8	21
35	Conventional and advanced exergy analyses of a vehicular proton exchange membrane fuel cell power system. Energy, 2021, 222, 119939.	4.5	25
36	Measuring and improving regional energy security: A methodological framework based on both quantitative and qualitative analysis. Energy, 2021, 227, 120534.	4.5	45

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37	Multi-criteria decision analysis of China's energy security from 2008 to 2017 based on Fuzzy BWM-DEA-AR model and Malmquist Productivity Index. <i>Energy</i> , 2021, 228, 120481.	4.5	37
38	Comparative sustainability efficiency measurement of energy storages under uncertainty: An innovative framework based on interval SBM model. <i>Journal of Energy Storage</i> , 2021, 40, 102808.	3.9	6
39	Sustainability prioritization of energy systems under hybrid information and missing information based on the improved grey relational analysis. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101543.	1.7	2
40	Target localization optimization of a superstructure triple-column extractive distillation with four-parallel evaporator organic Rankine cycles system based on advanced exergy analysis. <i>Separation and Purification Technology</i> , 2021, 272, 118894.	3.9	18
41	CO2 emission reduction potential in China from combined effects of structural adjustment of economy and efficiency improvement. <i>Resources, Conservation and Recycling</i> , 2021, 174, 105760.	5.3	40
42	Synergistic CO2 reduction effects in Chinese urban agglomerations: Perspectives from social network analysis. <i>Science of the Total Environment</i> , 2021, 798, 149352.	3.9	64
43	Stochastic optimization-based approach for simultaneous process design and HEN synthesis of tightly-coupled RO-ORC-HI systems under seasonal uncertainty. <i>Chemical Engineering Science</i> , 2021, 246, 116961.	1.9	1
44	Measuring coupling coordination between urban economic development and air quality based on the Fuzzy BWM and improved CCD model. <i>Sustainable Cities and Society</i> , 2021, 75, 103283.	5.1	31
45	Evaluating Energy Security in China: A Subnational Analysis. , 2021, , 119-137.		2
46	Measuring China's Oil Import Security with a Multi-Dimensional Approach from the Perspective of External Suppliers. , 2021, , 173-200.		0
47	Artificial intelligence in process systems engineering. , 2021, , 1-10.		2
48	Unraveling the spatial distribution of the acidity of HZSM-5 zeolite on the level of crystal grains. <i>AIChE Journal</i> , 2021, 67, e17134.	1.8	6
49	Circular Economy in Low-Carbon Transition. <i>Energies</i> , 2021, 14, 8061.	1.6	2
50	Parametric optimization of packed bed for activated coal fly ash waste heat recovery using CFD techniques. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 518-525.	1.7	4
51	Fuzzy multicriteria decision making on ranking the biofuels production pathways. , 2020, , 317-335.		1
52	A multicriteria intuitionistic fuzzy group decision-making method for sustainability ranking of biofuel production pathways. , 2020, , 357-376.		0
53	An aggregated life cycle sustainability index for ranking biofuel production pathways. , 2020, , 377-390.		0
54	Prioritization of biofuels production pathways under uncertainties. , 2020, , 337-356.		0

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55	Stakeholder-oriented multi-objective process optimization based on an improved genetic algorithm. Computers and Chemical Engineering, 2020, 132, 106618.	2.0	58
56	Sustainability prioritization framework of biorefinery: A novel multi-criteria decision-making model under uncertainty based on an improved interval goal programming method. Journal of Cleaner Production, 2020, 251, 119729.	4.6	22
57	The process control of the triple-column pressure-swing extractive distillation with partial heat integration. Separation and Purification Technology, 2020, 238, 116416.	3.9	30
58	Framework of life cycle sustainability assessment. , 2020, , 155-173.		1
59	Life cycle decision support framework: Method and case study. , 2020, , 175-204.		2
60	Multi-criteria decision-making after life cycle sustainability assessment under hybrid information. , 2020, , 269-289.		2
61	Barriers identification and prioritization for sustainability enhancement: Promoting the sustainable development of the desalination industry. , 2020, , 309-327.		0
62	Integrated data envelopment analysis, weighting method and life cycle thinking: A quantitative framework for life cycle sustainability improvement. , 2020, , 329-344.		4
63	Multi-criteria decision making for sustainability assessment of boxboard production: A life cycle perspective considering water consumption, energy consumption, GHG emissions, and internal costs. Journal of Environmental Management, 2020, 255, 109860.	3.8	23
64	Optimization and control of energy saving side-stream extractive distillation with heat integration for separating ethyl acetate-ethanol azeotrope. Chemical Engineering Science, 2020, 215, 115373.	1.9	83
65	Investigation on ternary system tetrahydrofuran/ethanol/water with three azeotropes separation via the combination of reactive and extractive distillation. Journal of Cleaner Production, 2020, 273, 123145.	4.6	74
66	Sustainability assessment of straw direct combustion power generation in China: From the environmental and economic perspectives of straw substitute to coal. Journal of Cleaner Production, 2020, 273, 122890.	4.6	34
67	Prioritization of sludge-to-energy technologies under multi-data condition based on multi-criteria decision-making analysis. Journal of Cleaner Production, 2020, 273, 123082.	4.6	18
68	Frontiers of sustainable manufacturing: Hybridization and modularization. , 2020, , 311-328.		1
69	Hybrid processes for sustainable chemicals production from shale gas and ethanol. , 2020, , 355-378.		1
70	Transformation and Cytotoxicity of Surface-Modified Silver Nanoparticles Undergoing Long-Term Aging. Nanomaterials, 2020, 10, 2255.	1.9	10
71	Regional integrative benefits of converting livestock excrements to energy in China: An elaborative assessment from life cycle perspective. Journal of Cleaner Production, 2020, 275, 122470.	4.6	14
72	Portfolio selection of renewable energy-powered desalination systems with sustainability perspective: A novel MADM-based framework under data uncertainties. Journal of Cleaner Production, 2020, 275, 124114.	4.6	28

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73	Holistic suitability for regional biomass power generation development in China: An application of matter-element extension model. <i>Journal of Environmental Management</i> , 2020, 276, 111294.	3.8	13
74	Specialty Grand Challenge: Multi-Criteria Decision Making for Better Sustainability. <i>Frontiers in Sustainability</i> , 2020, 1, .	1.3	1
75	An Interaction Investigation of the Contributing Factors of the Bullwhip Effect Using a Bi-Level Social Network Analysis Approach. <i>IEEE Access</i> , 2020, 8, 208737-208752.	2.6	5
76	Multi-objective optimization and life cycle assessment of an integrated system combining LiBr/H <sub>2</sub> O absorption chiller and Kalina cycle. <i>Energy Conversion and Management</i> , 2020, 225, 113448.	4.4	20
77	A novel unambiguous strategy of molecular feature extraction in machine learning assisted predictive models for environmental properties. <i>Green Chemistry</i> , 2020, 22, 3867-3876.	4.6	29
78	The separation of ternary azeotropic mixture: Thermodynamic insight and improved multi-objective optimization. <i>Energy</i> , 2020, 206, 118117.	4.5	51
79	Dynamic study in enhancing the controllability of an energy-efficient double side-stream ternary extractive distillation of acetonitrile/methanol/benzene with three azeotropes. <i>Separation and Purification Technology</i> , 2020, 242, 116830.	3.9	22
80	3R for food waste management: fuzzy multi-criteria decision-making for technology selection. , 2020, , 75-110.		5
81	Sustainability assessment framework for the prioritization of urban sewage treatment technologies. , 2020, , 153-176.		1
82	Sustainability prioritization of sludge-to-energy technologies based on an improved DS/AHP method. , 2020, , 317-343.		1
83	Life cycle sustainability prioritization of alternative technologies for food waste to energy: a multi-actor multi-criteria decision-making approach. , 2020, , 345-380.		4
84	Industrial system prioritization using the sustainabilityâ€intervalâ€index conceptual framework with lifeâ€cycle considerations. <i>AIChE Journal</i> , 2020, 66, e16961.	1.8	7
85	Techno-economic analysis of coal-to-liquid processes with different gasifier alternatives. <i>Journal of Cleaner Production</i> , 2020, 253, 120006.	4.6	43
86	Model reductions for multiscale stochastic optimization of cooling water system equipped with closed wet cooling towers. <i>Chemical Engineering Science</i> , 2020, 224, 115773.	1.9	18
87	Continuous improvement strategies for environmental risk mitigation in chemical plants. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104885.	5.3	17
88	Advanced Operations Management for Complex Systems Analysis: Introduction. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020, , 1-6.	0.2	0
89	2-Tuple DEMATEL for Complex Interrelationships Analysis: Barriers Identification, Cause-Effect Analysis and Policy Implications for Sustainable Tourism Industry. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020, , 33-56.	0.2	1
90	Two-Stage Interval Best-Worst Method for Weighting: Prioritization of Influential Factors of Airport Competitiveness. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020, , 7-31.	0.2	0

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91	Fuzzy Best-Worst Method and Interpretive Structural Modelling for Complex System Analysis: Enablers Analysis for Aviation Maintenance Safety. SpringerBriefs in Applied Sciences and Technology, 2020, , 57-78.	0.2	1
92	Highlighting Regional Energy-Economic-Environmental Benefits of Agricultural Bioresources Utilization: An Integrated Model from Life Cycle Perspective. Sustainability, 2019, 11, 3743.	1.6	3
93	Energy-efficient extractive pressure-swing distillation for separating binary minimum azeotropic mixture dimethyl carbonate and ethanol. Separation and Purification Technology, 2019, 229, 115817.	3.9	57
94	Predictive deep learning models for environmental properties: the direct calculation of octanolâ€“water partition coefficients from molecular graphs. Green Chemistry, 2019, 21, 4555-4565.	4.6	69
95	Investigation of energy-saving azeotropic dividing wall column to achieve cleaner production via heat exchanger network and heat pump technique. Journal of Cleaner Production, 2019, 234, 410-422.	4.6	83
96	Recent developments of hydrogen production from sewage sludge by biological and thermochemical process. International Journal of Hydrogen Energy, 2019, 44, 19676-19697.	3.8	73
97	Energy conversion of urban wastes in China: Insights into potentials and disparities of regional energy and environmental benefits. Energy Conversion and Management, 2019, 198, 111897.	4.4	16
98	Carbon footprint analysis of organic rankine cycle system using zeotropic mixtures considering leak of fluid. Journal of Cleaner Production, 2019, 239, 118095.	4.6	27
99	Advanced exergy analysis of organic Rankine Cycles for Fischer-Tropsch syngas production with parallel dry and steam methane reforming. Energy Conversion and Management, 2019, 199, 111963.	4.4	40
100	Multi-objective optimization of organic Rankine cycle system for the waste heat recovery in the heat pump assisted reactive dividing wall column. Energy Conversion and Management, 2019, 199, 112041.	4.4	76
101	Forecasting COD load in municipal sewage based on ARMA and VAR algorithms. Resources, Conservation and Recycling, 2019, 144, 56-64.	5.3	47
102	Comparative optimal design and control of two alternative approaches for separating heterogeneous mixtures isopropyl alcohol-isopropyl acetate-water with four azeotropes. Separation and Purification Technology, 2019, 225, 1-17.	3.9	44
103	Dynamic controllability investigation of an energy-saving double side-stream ternary extractive distillation process. Separation and Purification Technology, 2019, 225, 41-53.	3.9	43
104	An architecture of deep learning in QSPR modeling for the prediction of critical properties using molecular signatures. AIChE Journal, 2019, 65, e16678.	1.8	70
105	Intensification and performance assessment for synthesis of 2-methoxy-2-methyl-heptane through the combined use of different pressure thermally coupled reactive distillation and heat integration technique. Chemical Engineering and Processing: Process Intensification, 2019, 142, 107561.	1.8	28
106	Revealing the nexus among energy-economy system with Haken model: Evidence from China's Beijing-Tianjin-Hebei region. Journal of Cleaner Production, 2019, 228, 319-330.	4.6	20
107	Sustainable desalination process selection: Decision support framework under hybrid information. Desalination, 2019, 465, 44-57.	4.0	20
108	Pleasure or profit? Surveying the purchasing intentions of potential electric vehicle adopters in China. Transportation Research, Part A: Policy and Practice, 2019, 124, 69-81.	2.0	59

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109	Industrial wastewater desalination under uncertainty in coal-chemical eco-industrial parks. <i>Resources, Conservation and Recycling</i> , 2019, 145, 370-378.	5.3	13
110	A Novel Approach for Detailed Modeling and Optimization To Improve Energy Saving in Multiple Effect Evaporator Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 6613-6625.	1.8	4
111	Optimal Design and Effective Control of Triple-Column Extractive Distillation for Separating Ethyl Acetate/Ethanol/Water with Multi-azeotrope. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 7265-7283.	1.8	126
112	Towards a sustainable distributed energy system in China: decision-making for strategies and policy implications. <i>Energy, Sustainability and Society</i> , 2019, 9, .	1.7	16
113	Energy performance contracting, risk factors, and policy implications: Identification and analysis of risks based on the best-worst network method. <i>Energy</i> , 2019, 170, 1-13.	4.5	46
114	Alternative-fuel based vehicles for sustainable transportation: A fuzzy group decision supporting framework for sustainability prioritization. <i>Technological Forecasting and Social Change</i> , 2019, 140, 33-43.	6.2	43
115	Distributed energy system for sustainability transition: A comprehensive assessment under uncertainties based on interval multi-criteria decision making method by coupling interval DEMATEL and interval VIKOR. <i>Energy</i> , 2019, 169, 750-761.	4.5	51
116	An urban-rural and sex differences in cancer incidence and mortality and the relationship with PM2.5 exposure: An ecological study in the southeastern side of Hu line. <i>Chemosphere</i> , 2019, 216, 766-773.	4.2	47
117	Meteorological conditions for severe foggy haze episodes over north China in 2016–2017 winter. <i>Atmospheric Environment</i> , 2019, 199, 284-298.	1.9	19
118	Short term electric load forecasting model and its verification for process industrial enterprises based on hybrid GA-PSO-BPNN algorithm—A case study of papermaking process. <i>Energy</i> , 2019, 170, 1215-1227.	4.5	142
119	Selecting sustainable energy conversion technologies for agricultural residues: A fuzzy AHP-VIKOR based prioritization from life cycle perspective. <i>Resources, Conservation and Recycling</i> , 2019, 142, 78-87.	5.3	117
120	Sustainability prioritization of energy storage technologies for promoting the development of renewable energy: A novel intuitionistic fuzzy combinative distance-based assessment approach. <i>Renewable Energy</i> , 2018, 121, 666-676.	4.3	83
121	New energy vehicle in China for sustainable development: Analysis of success factors and strategic implications. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 59, 268-288.	3.2	64
122	Multiactor multicriteria decision making for life cycle sustainability assessment under uncertainties. <i>AIChE Journal</i> , 2018, 64, 2103-2112.	1.8	33
123	Life cycle sustainability decision-support framework for ranking of hydrogen production pathways under uncertainties: An interval multi-criteria decision making approach. <i>Journal of Cleaner Production</i> , 2018, 175, 222-236.	4.6	93
124	Monetizing shale gas to polymers under mixed uncertainty: Stochastic modeling and likelihood analysis. <i>AIChE Journal</i> , 2018, 64, 2017-2036.	1.8	7
125	Selection of sustainable prime mover for combined cooling, heat, and power technologies under uncertainties: An interval multicriteria decision-making approach. <i>International Journal of Energy Research</i> , 2018, 42, 2655-2669.	2.2	30
126	Life cycle aggregated sustainability index for the prioritization of industrial systems under data uncertainties. <i>Computers and Chemical Engineering</i> , 2018, 113, 253-263.	2.0	31



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127	Competitiveness prioritisation of container ports in Asia under the background of China's Belt and Road initiative. <i>Transport Reviews</i> , 2018, 38, 436-456.	4.7	13
128	Multi-criteria sustainability assessment of urban sludge treatment technologies: Method and case study. <i>Resources, Conservation and Recycling</i> , 2018, 128, 546-554.	5.3	40
129	Co-benefits accounting for the implementation of eco-industrial development strategies in the scale of industrial park based on energy analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1522-1529.	8.2	46
130	Multi-attribute sustainability evaluation of alternative aviation fuels based on fuzzy ANP and fuzzy grey relational analysis. <i>Journal of Air Transport Management</i> , 2018, 68, 176-186.	2.4	51
131	Technology selection for ballast water treatment by multi-stakeholders: A multi-attribute decision analysis approach based on the combined weights and extension theory. <i>Chemosphere</i> , 2018, 191, 747-760.	4.2	57
132	Waste-to-energy, municipal solid waste treatment, and best available technology: Comprehensive evaluation by an interval-valued fuzzy multi-criteria decision making method. <i>Journal of Cleaner Production</i> , 2018, 172, 887-899.	4.6	88
133	Sustainability ranking of energy storage technologies under uncertainties. <i>Journal of Cleaner Production</i> , 2018, 170, 1387-1398.	4.6	87
134	Biofuel for vehicle use in China: Current status, future potential and policy implications. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 645-653.	8.2	78
135	Construction and demolition waste management in China through the 3R principle. <i>Resources, Conservation and Recycling</i> , 2018, 129, 36-44.	5.3	578
136	GM(1,N) method for the prediction of anaerobic digestion system and sensitivity analysis of influential factors. <i>Bioresource Technology</i> , 2018, 247, 1258-1261.	4.8	25
137	Evaluation of electricity supply sustainability and security: Multi-criteria decision analysis approach. <i>Journal of Cleaner Production</i> , 2018, 172, 438-453.	4.6	56
138	Critical Mineral Security in China: An Evaluation Based on Hybrid MCDM Methods. <i>Sustainability</i> , 2018, 10, 4114.	1.6	13
139	Sustainability Assessment Framework for Chemical Processes Selection under Uncertainties: A Vector-Based Algorithm Coupled with Multicriteria Decision-Making Approaches. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 7999-8010.	1.8	25
140	Using multi-criteria analysis to prioritize renewable energy home heating technologies. <i>Sustainable Energy Technologies and Assessments</i> , 2018, 29, 36-43.	1.7	50
141	Multi-criteria decision making for the prioritization of energy systems under uncertainties after life cycle sustainability assessment. <i>Sustainable Production and Consumption</i> , 2018, 16, 45-57.	5.7	40
142	Does positive framing matter? An investigation of how framing affects consumers' willingness to buy green electricity in Denmark. <i>Energy Research and Social Science</i> , 2018, 46, 40-47.	3.0	24
143	Route selection for low-carbon ammonia production: A sustainability prioritization framework based-on the combined weights and projection ranking by similarity to referencing vector method. <i>Journal of Cleaner Production</i> , 2018, 193, 263-276.	4.6	30
144	Evaluating efficiency of energy conservation measures in energy service companies in China. <i>Energy Policy</i> , 2018, 122, 580-591.	4.2	34

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145	Identification of Success Factors for Green Shipping with Measurement of Greenness Based on ANP and ISM. Profiles in Operations Research, 2018, , 79-103.	0.3	4
146	Analysis on spatial-temporal features of taxis' emissions from big data informed travel patterns: a case of Shanghai, China. Journal of Cleaner Production, 2017, 142, 926-935.	4.6	108
147	Selection of sustainable alternative energy source for shipping: Multi-criteria decision making under incomplete information. Renewable and Sustainable Energy Reviews, 2017, 74, 1003-1019.	8.2	94
148	Multi-actor multi-criteria sustainability assessment framework for energy and industrial systems in life cycle perspective under uncertainties. Part 2: improved extension theory. International Journal of Life Cycle Assessment, 2017, 22, 1406-1417.	2.2	23
149	Factor decomposition analysis and causal mechanism investigation on urban transport CO2 emissions: Comparative study on Shanghai and Tokyo. Energy Policy, 2017, 107, 658-668.	4.2	54
150	Measuring the sustainability of marine fuels: A fuzzy group multi-criteria decision making approach. Transportation Research, Part D: Transport and Environment, 2017, 54, 12-29.	3.2	84
151	Multi-criteria group decision-making based sustainability measurement of wastewater treatment processes. Environmental Impact Assessment Review, 2017, 65, 91-99.	4.4	64
152	Examining industrial structure changes and corresponding carbon emission reduction effect by combining input-output analysis and social network analysis: A comparison study of China and Japan. Journal of Cleaner Production, 2017, 162, 61-70.	4.6	125
153	Comparative assessment of circular economy development in China's four megacities: The case of Beijing, Chongqing, Shanghai and Urumqi. Journal of Cleaner Production, 2017, 162, 234-246.	4.6	61
154	Measuring energy security performance within China: Toward an inter-provincial prospective. Energy, 2017, 125, 825-836.	4.5	95
155	Dual-porosity Mn2O3 cubes for highly efficient dye adsorption. Journal of Hazardous Materials, 2017, 333, 222-231.	6.5	57
156	Urban sewage sludge, sustainability, and transition for Eco-City: Multi-criteria sustainability assessment of technologies based on best-worst method. Technological Forecasting and Social Change, 2017, 116, 29-39.	6.2	174
157	Multi-actor multi-criteria sustainability assessment framework for energy and industrial systems in life cycle perspective under uncertainties. Part 1: weighting method. International Journal of Life Cycle Assessment, 2017, 22, 1397-1405.	2.2	14
158	Polygeneration system and sustainability: Multi-attribute decision-support framework for comprehensive assessment under uncertainties. Journal of Cleaner Production, 2017, 167, 1122-1137.	4.6	36
159	Optimal Synthesis of Water Networks for Addressing High-Concentration Wastewater in Coal-Based Chemical Plants. ACS Sustainable Chemistry and Engineering, 2017, 5, 10792-10805.	3.2	12
160	Carbon footprints of urban transition: Tracking circular economy promotions in Guiyang, China. Ecological Modelling, 2017, 365, 30-44.	1.2	81
161	Life Cycle Sustainability Assessment of Chemical Processes: A Vector-Based Three-Dimensional Algorithm Coupled with AHP. Industrial & Engineering Chemistry Research, 2017, 56, 11216-11227.	1.8	49
162	Combined cooling heating and power systems: Sustainability assessment under uncertainties. Energy, 2017, 139, 755-766.	4.5	17

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163	Temporal trends and spatial patterns of energy use efficiency and greenhouse gas emissions in crop production of Anhui Province, China. <i>Energy</i> , 2017, 133, 955-968.	4.5	27
164	The Dragon awakens: Innovation, competition, and transition in the energy strategy of the People's Republic of China, 1949–2017. <i>Energy Policy</i> , 2017, 108, 634-644.	4.2	31
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